## Index of Claims

## \*09724685\*

| Application/Control No. | Applicant(s)/Pate<br>Reexamination | ent under |  |  |  |  |
|-------------------------|------------------------------------|-----------|--|--|--|--|
| 09/724,685              | REED ET AL.                        |           |  |  |  |  |
| Examiner                | Art Unit                           |           |  |  |  |  |
| Rodney P. Swartz, Ph.D. | 1645                               |           |  |  |  |  |

| <b>√</b> | Rejected |
|----------|----------|
| =        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| - | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

|  |                                  |          |          |          |          |          | l        |          |   |                |
|--|----------------------------------|----------|----------|----------|----------|----------|----------|----------|---|----------------|
|  |                                  | ı —      |          |          |          |          |          |          |   |                |
| Cla  |                                  |          |          | _        |          | Date     | -        |          |   | $\dashv$       |
| Final  | Original                         | 12/1/10  |          |          |          |          |          |          |   |                |
|  |                                  |          |          |          |          |          |          |          |   |                |
|  | 1                                | H        |          | _        |          | _        |          |          |   | -              |
|  | 2                                |          |          | _        |          |          |          |          |   |                |
|  | 3                                |          |          |          |          |          |          |          |   |                |
|  | 2<br>3<br>4<br>5<br>6            | $\vdash$ |          | <u> </u> |          | _        |          |          |   | -              |
|  | 2                                |          |          | $\vdash$ |          | _        |          |          |   |                |
|  | 7                                |          |          |          |          |          |          |          |   |                |
|  | 7<br>8                           | $\vdash$ |          | $\vdash$ |          | $\vdash$ |          |          |   | $\dashv$       |
|  | 9                                | $\vdash$ |          | $\vdash$ |          | $\vdash$ |          |          |   | -              |
|  |                                  |          |          | _        |          |          |          |          |   |                |
|  | 11                               |          |          |          |          |          |          |          |   |                |
| <u> </u>   | 12                               | $\vdash$ |          | $\vdash$ |          | $\vdash$ |          |          | Н | $\vdash$       |
| <del>                                     </del> | 13                               | $\vdash$ |          | $\vdash$ |          | $\vdash$ |          |          | Н | $\vdash$       |
|  | 14                               | $\vdash$ |          | $\vdash$ |          | $\vdash$ |          |          | Н | $\vdash$       |
|  | 10<br>11<br>12<br>13<br>14<br>15 | Г        |          |          |          |          |          |          | П | Н              |
|  | 16                               | Г        |          | Г        |          | Г        |          |          |   | П              |
|  | 16<br>17                         | Г        |          |          |          |          |          |          |   |                |
|  | 18                               |          |          |          |          |          |          |          |   |                |
|  | 18<br>19                         |          |          |          |          |          |          |          |   |                |
|  | 20                               |          |          |          |          |          |          |          |   |                |
|  | 21                               |          |          |          |          |          |          |          |   |                |
|  | 21<br>22                         |          |          |          |          |          |          |          |   |                |
|  | 23                               |          |          |          |          |          |          |          |   |                |
|  | 24<br>25                         |          |          |          |          |          |          |          |   |                |
|  | 25                               |          |          |          |          |          |          |          |   |                |
|  | 26                               |          |          |          |          |          |          |          |   |                |
|  | 27                               |          |          |          |          |          |          |          |   | Щ              |
|  | 28                               |          |          |          |          |          |          |          |   |                |
|  | 29                               |          |          |          |          |          |          |          |   |                |
|  | 30                               |          |          |          |          |          |          |          |   |                |
|  | 31                               |          |          | _        |          | _        |          |          |   |                |
|  | 32                               |          |          |          |          |          |          |          |   |                |
|  | 33                               | H        | <u> </u> | _        | <u> </u> | _        | <u> </u> | <u> </u> | H | Щ              |
| <u> </u>   | 34                               | $\vdash$ | <u> </u> | $\vdash$ | <u> </u> | $\vdash$ | <u> </u> | <u> </u> | H | $\vdash\vdash$ |
|  | 35<br>36                         | $\vdash$ | _        | $\vdash$ | _        | $\vdash$ | _        |          | H | $\vdash\vdash$ |
| <u> </u>   | 37                               | H        | <u> </u> | $\vdash$ | <u> </u> | $\vdash$ | <u> </u> | <u> </u> | H | $\vdash$       |
| <u> </u>   | 38                               | =        |          | $\vdash$ |          | $\vdash$ |          | $\vdash$ | H | $\vdash$       |
|  | 39                               | =        |          | $\vdash$ |          | $\vdash$ |          |          | H | $\vdash$       |
|  | 40                               | =        |          | $\vdash$ |          | $\vdash$ |          |          | Н | Н              |
|  | 41                               | =        | H        | $\vdash$ | H        | $\vdash$ |          |          | H | H              |
|  | 42                               | Ė        |          | $\vdash$ |          | $\vdash$ |          |          |   | $\vdash$       |
|  | 43                               | Т        |          |          |          |          |          |          | Н | H              |
|  | 44                               | Г        |          |          |          |          |          |          |   | $\Box$         |
|  | 45                               | Г        |          |          |          |          |          |          | П | Н              |
|  | 46                               | Г        |          | Г        |          | Г        |          |          |   | П              |
|  | 47                               |          |          |          |          |          |          |          |   |                |
|  | 48                               | Г        |          |          |          |          |          |          |   |                |
|  | 49                               | Г        |          |          |          |          |          |          |   | П              |
|  | 50                               | H        |          |          |          |          |          |          |   | Н              |

| Cla   | aim                  |  |   |                                     | - | Date                                |          |   |          |
|-------|----------------------|--|---|-------------------------------------|---|-------------------------------------|----------|---|----------|
|       | l                    |  | I |                                     |   | <u> </u>                            |          |   |          |
| Final | Original             |  |   |                                     |   |                                     |          |   |          |
|       | 51<br>52             |  |   |                                     |   |                                     |          |   |          |
|       | 52                   |  |   |                                     |   |                                     |          |   |          |
|       | 53                   |  |   |                                     |   |                                     |          |   |          |
|       | 54                   |  |   |                                     |   |                                     |          |   |          |
|       | 55                   |  |   |                                     |   |                                     |          |   |          |
|       | 56                   | =  |   |                                     |   |                                     |          |   |          |
|       | 57                   | =  |   |                                     |   | _                                   | _        |   | _        |
|       | 58                   | =  |   |                                     |   | _                                   |          |   | _        |
|       | 59                   | =  |   |                                     |   |                                     |          |   | _        |
|       | 60                   | =  |   |                                     |   |                                     |          |   |          |
|       | 61<br>62             | =  |   | $\vdash$                            |   | _                                   |          |   | $\vdash$ |
|       | 63                   | =  |   | $\vdash$                            |   | $\vdash$                            | _        |   | $\vdash$ |
| -     | 64                   | <del>                                     </del> |   | $\vdash$                            |   | $\vdash$                            | $\vdash$ |   | $\vdash$ |
|       | 65                   | =  |   | $\vdash$                            |   | $\vdash$                            | $\vdash$ |   | $\vdash$ |
|       | 66                   | _  |   | $\vdash$                            |   |                                     |          |   | $\vdash$ |
|       | 67                   | =  |   |                                     |   |                                     |          |   |          |
|       | 68                   | =  |   |                                     |   |                                     |          |   |          |
|       | 69                   | =  |   |                                     |   |                                     |          |   |          |
|       | 70                   | =  |   |                                     |   |                                     |          |   |          |
|       | 71                   | =  |   |                                     |   |                                     |          |   |          |
|       | 72                   | =  |   |                                     |   |                                     |          |   |          |
|       | 72<br>73<br>74<br>75 | =  |   |                                     |   |                                     |          |   |          |
|       | 74                   | =  |   |                                     |   |                                     |          |   |          |
|       | 75                   | =  |   |                                     |   |                                     |          |   |          |
|       | 76                   | =  |   |                                     |   |                                     |          |   |          |
|       | 77<br>78             | =  |   |                                     |   |                                     |          |   |          |
|       | 78                   | =  |   |                                     |   |                                     |          |   |          |
|       | 79                   | =  |   |                                     |   |                                     |          |   |          |
|       | 80                   | =  |   |                                     |   |                                     |          |   |          |
|       | 81                   | =  |   |                                     |   | _                                   |          |   | _        |
|       | 82<br>83             | =  |   |                                     |   |                                     |          |   |          |
|       | 84                   | =  |   | $\vdash$                            |   |                                     |          |   | $\vdash$ |
| -     | 85                   | -  |   |                                     |   | _                                   | _        |   | _        |
|       | 86                   | <del>  -</del>                                   |   | $\vdash$                            |   | $\vdash$                            |          |   | $\vdash$ |
|       | 87                   | H  |   |                                     |   |                                     |          |   |          |
|       | 88                   | Н  |   | Н                                   |   | $\vdash$                            |          |   | $\vdash$ |
|       | 89                   |  |   |                                     |   |                                     |          |   |          |
|       | 90                   |  |   |                                     |   |                                     |          |   |          |
|       | 91                   |  |   |                                     |   |                                     |          |   |          |
|       | 92                   |  |   |                                     |   |                                     |          |   |          |
|       | 93                   |  |   |                                     |   |                                     |          |   |          |
|       | 94                   |  |   |                                     |   |                                     |          |   |          |
|       | 95                   |  |   |                                     |   |                                     |          |   |          |
|       | 96                   |  |   |                                     |   |                                     |          |   |          |
|       | 97                   | $oxed{oxed}$                                     |   | $oxed{oxed}$                        |   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          |   | _        |
|       | 98                   |  |   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |   |                                     |          | Ш |          |
|       | 99                   |  |   |                                     |   |                                     |          |   |          |

| Claim     Date       Tell     Date       101     0       102     0       103     0       104     0       105     0       106     0       107     0       108     0       109     0       110     0       111     0       112     0       113     0       114     0       117     0       118     0       119     0       120     0       121     0       122     0       123     0       124     0       125     0       126     0       127     0       133     0       134     0       135     0       130     0       131     0       132     0       133     0       134  |       |          |                    |          |            |          |          |          | l        |          |
|---|-------|----------|--------------------|----------|------------|----------|----------|----------|----------|----------|
| Tell   Tell | Cla   | aim      |                    |          |            | Г        | )ate     |          |          | $\neg$   |
| 101   |       |          |                    |          |            |          | <u> </u> | ĺ        |          | Н        |
| 102   103     104   105     106   107     108   109     110   111     112   113     113   114     115   116     117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142   | Final | Original |                    |          |            |          |          |          |          |          |
| 102   103     104   105     106   107     108   109     110   111     112   113     113   114     115   116     117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   134     135   136     137   138     139   140     141   142   |       | 101      |                    |          |            |          |          |          |          |          |
| 103   |       | 102      |                    |          |            |          |          |          |          |          |
| 105   106     107   108     109   110     111   112     113   114     115   116     117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142   |       | 103      |                    |          |            |          |          |          |          |          |
| 105   106     107   108     109   110     111   112     113   114     115   116     117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142   |       | 104      |                    |          |            |          |          |          |          |          |
| 107   108     109   110     111   112     113   114     115   116     117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142   |       | 105      |                    |          |            |          |          |          |          |          |
| 108   109     110   111     111   112     113   114     115   116     117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142   |       | 106      |                    |          |            |          |          |          |          |          |
| 109   110     111   112     113   114     115   116     117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142   |       | 107      |                    |          |            |          |          |          |          |          |
| 110   111     111   112     113   114     115   116     117   118     119   120     121   121     122   123     124   125     126   127     128   129     130   131     132   133     134   135     136   137     138   139     140   141     142   142   |       | 108      |                    |          |            |          |          |          |          |          |
| 111   112     113   114     115   116     117   118     119   120     121   121     122   123     124   125     126   127     128   129     130   131     132   133     134   135     136   137     138   139     140   141     142   142   |       |          |                    |          |            |          |          |          |          |          |
| 112   113     114   115     116   117     118   119     120   121     122   123     124   125     126   127     128   129     130   131     132   133     134   135     136   137     138   139     140   141     142   142   |       | 110      |                    |          |            |          |          |          |          |          |
| 113   114     115   116     117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142   |       | 111      | $\vdash$           | _        | H          | _        | _        | $\vdash$ | _        | $\vdash$ |
| 115   116     117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142   |       | 112      | $\vdash$           | <u> </u> | H          |          | <u> </u> |          | -        | $\vdash$ |
| 115   116     117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142   |       | 113      | $\vdash$           | _        | H          |          | $\vdash$ | $\vdash$ |          | $\vdash$ |
| 116   117     118   119     120   121     122   123     124   125     126   127     128   129     130   131     132   133     133   134     135   136     137   138     139   140     141   142   |       | 114      | $\vdash$           | <u> </u> | H          | -        | -        |          | -        | $\vdash$ |
| 117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142   |       | 116      | $\vdash$           | _        | H          |          | $\vdash$ |          |          | $\vdash$ |
| 118   119     120   121     122   123     124   125     126   127     128   129     130   131     132   133     133   134     135   136     137   138     139   140     141   142   |       | 117      | $\vdash$           |          | H          |          |          |          |          | $\vdash$ |
| 120   |       | 118      | $\vdash$           |          |            |          |          |          |          |          |
| 120   |       | 119      | $\vdash$           |          |            |          |          |          |          |          |
| 121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   |       | 120      |                    |          |            |          |          |          |          |          |
| 123   |       | 121      | Н                  |          |            |          |          |          |          |          |
| 123   |       | 122      |                    |          |            |          |          |          |          |          |
| 124   |       | 123      |                    |          |            |          |          |          |          |          |
| 126   |       | 124      |                    |          |            |          |          |          |          |          |
| 126   |       | 125      |                    |          |            |          |          |          |          |          |
| 128   |       | 126      |                    |          |            |          |          |          |          |          |
| 128   |       | 127      |                    |          |            |          |          |          |          |          |
| 130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142   |       | 128      |                    |          |            |          |          |          |          |          |
| 131   |       | 129      |                    |          |            |          |          |          |          |          |
| 132   133   134   135   136   137   138   139   140   141   142   |       | 130      |                    |          |            |          |          |          |          |          |
| 133   |       | 131      | $oxedsymbol{oxed}$ |          |            |          |          |          |          |          |
| 134   |       | 132      | $oxed{oxed}$       |          |            |          |          |          |          |          |
| 135   |       | 133      |                    |          |            |          |          |          |          | Ш        |
| 136<br>137<br>138<br>139<br>140<br>141<br>142   |       |          | $\vdash$           |          | lacksquare |          | <u> </u> |          |          | Ш        |
| 137<br>138<br>139<br>140<br>141<br>142  |       | 135      | $\vdash$           | <u> </u> |            | <u> </u> |          |          | <u> </u> | Ш        |
| 138<br>139<br>140<br>141<br>142   |       | 136      | $\vdash$           | _        |            | _        | _        |          |          | Ш        |
| 139<br>140<br>141<br>142  |       | 137      | $\vdash$           | _        | H          | -        | _        | $\vdash$ | -        | $\vdash$ |
| 140<br>141<br>142   |       | 120      | $\vdash$           | -        | H          | -        | $\vdash$ |          | -        |          |
| 141<br>142  |       |          | $\vdash$           |          | H          |          | $\vdash$ |          |          | $\vdash$ |
| 142   |       |          | $\vdash$           | -        | H          |          |          |          | -        | $\vdash$ |
|   |       |          | $\vdash$           |          |            |          |          |          |          | $\vdash$ |
| 140   |       | 143      |                    |          |            |          |          |          |          | H        |
| 144   |       |          | Г                  |          |            |          |          |          |          | П        |
| 145   |       |          |                    |          |            |          |          |          |          |          |
| 146   |       |          | Г                  |          |            |          |          |          |          |          |
| 147   |       |          |                    |          |            |          |          |          |          |          |
| 148   |       | 148      |                    |          |            |          |          |          |          |          |
| 149   |       |          |                    |          |            |          |          |          |          |          |
| 150   |       | 150      |                    |          |            |          |          |          |          |          |